



Engine Power Limiters

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Objective of Engine Power Limitation

To lower the energy efficiency index for existing ships (EEXI) by limiting the main engine's maximum continuous rating (MCR)

MARPOL Annex VI

MEPC.335 (76)

2021 GUIDELINES ON THE SHAFT/ ENGINE POWER LIMITATION SYSTEM TO COMPLY WITH THE EEXI REQUIREMENTS AND USE OF A POWER RESERVE

MEPC.375 (80) -
Amendments to
MEPC.335 (76)

FORMAT FOR REPORTING OF EPL/SHAPOLI OVERRIDE ACTIVATION, USE OF A POWER RESERVE AND REACTIVATION OF EPL/SHAPOLI

MEPC.390 (81) -
Amendments to the
above two

ADDITIONAL GUIDELINES REGARDING EPL/SHAPOLI AND THE UPDATING OF THE PILOT CARD / WHEELHOUSE POSTER / MANOEUVRING BOOKLET

MEPC.350 (78)

GUIDELINES FOR CALCULATION OF EEXI

Options for Power Limitations

Permanent Power Limitations

Permanent derating of Engines

Optimisation of slow steaming operations

Minimum Propulsion Power assessment may be required

Overridable Power Limitations

Engine Power Limitation (EPL) - Mechanical

Applies only to Mechanical Engines

Required service engineer attendance

Engine Power Limitation (EPL) - Electronic Shaft Power Limitation (ShaPoLi)

For Electronic Engines

Facilitates easy adjustments onboard



Expectations from Ships & Ports

Observation - Power limitations affects rpms above the manoeuvring range - MCR

Length and duration of Pilotage passages - Assessment of local conditions

Understanding individual port requirements - Prearrival declaration

Pilot Card, Wheelhouse poster and Manoeuvring booklet to be updated at all required locations

Does not affect the manoeuvring speed table. However, reserve power to be available

Shipboard familiarisation - Periodic Testing and Annual drills

Master, Officers in charge of navigation watch (OICNW) and Engineers familiarisation with the system and authority to override.



Industry reference documents

[AMSA Marine Notice 06-2024 - Engine power limitations on ships in coastal pilotage areas](#)

[AMPI Position Statement PS02 - Engine Power Limiters](#)

[USCG Policy Letter -ENG PL 01-24 \(uscg.mil\)](#)

[EPL-1.5.pdf \(nzmpa.org\)](#)

DNV Technical and Regulatory news bulletins

ABS Regulatory news

[OCIMF Compliance with EEXI Regulation: Risks associated with Power Limitations \(ocimf.org\)](#)

ARCSOPT - Technical proposal - Position paper - Available for feedback

THANK YOU –
QUESTIONS?

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